PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-208147
(43)Date of publication of application : 26.07.2002

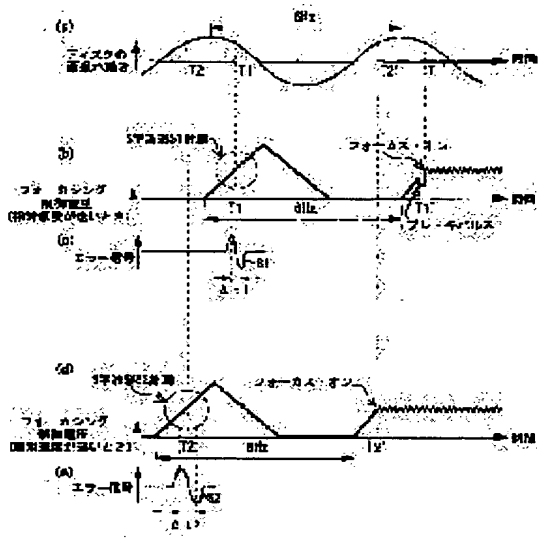
(51)Int.Cl. G11B 7/085

(21)Application number : 2001-006011
(22)Date of filing : 15.01.2001

(71)Applicant : FUNAI ELECTRIC CO LTD
(72)Inventor : HIRASHIMA MINORU

(54) FOCUS SERVO DEVICE FOR OPTICAL PICKUP

(57)Abstract:
PROBLEM TO BE SOLVED: To shorten a start-up time of an optical disk and to stably pull a focus by pulling the focus while rotationally driving the optical disk, in a focus servo device for an optical pickup.
SOLUTION: An S shaped waveform of a focus error signal is measured at the time T1, the time „t1 until the S shaped waveform transfers from the relative maximum to the relative minimum is obtained, a relative speed between a lens and the optical disk is measured based on the „t1. When the relative speed is faster than a focus pull-in speed, a movement of the lens is braked right before the optical disk finishes one rotation (time T1') and the relative speed is decreased. Thus, the stable pull of a focus is enabled.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office